



Operation manual

(Operation and maintenance manual, Service data, Operating diary, Certificate of warranty)



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ATTENTION!

Safety always comes before operation!

Dear customer,
thank you for buying our sectional door. We believe that you will be satisfied with our door and its operation. Read this User manual carefully before you start to operate the door. Always follow instructions given in this manual when you operate the door. Using or operating the door contrary to this manual is prohibited and can lead to unpredictable or dangerous conditions or situations. This manual describes operating with the door in common situations. It also describes which precautions have to be done when non-common situation occurs (e.g. the spring breaks). Reading through this manual does not qualify you for operating the door in non-common situations, repairing of the door etc.

Warranty Terms

During the warranty period Seller provides free-of-charge repair of malfunctions by a qualified technician. The warranty can be used only if the servicing intervals prescribed by the producer are maintained and if all the rules, norms and directives issued by the producer are followed.

The warranty does not apply to problems caused ordinary wear and tear; by unprofessional or unqualified interference, activation or operating; unprofessional transportation or assembly; violation of the procedures stated in the Operation manual; unsuitable use of the product; unsuitable storage or treatment; negligence to the prescribed servicing intervals; culpable or maintenance negligence; installation in an environment with non-standard (excessive) humidity or dustiness, environment (fire, water, salts, acids, alkalis, ...), Force Majeure (theft, natural disaster, flood, electric power surge, etc.); carelessness or malicious damage or mechanical damage. Additionally, the use of components which were not supplied/approved by the producer leads to nullification of the warranty.

The complaining user has to prove the malfunction, and allow for verification, that the complaint is reasonable and must allow assessment of the scope of the malfunction. The user must not undertake repairs himself or by means of a third party. The cost of an invalid complaint is to be borne by the user who made such claims.

Definition of terms

The Bronze Guarantee

A standard guarantee provided by the sectional doors manufacturer. This guarantee is provided for a period of 24 months. The guarantee commences on the date of purchase, which must be marked in the Warranty Certificate. The guarantee abides by the Guarantee Conditions, stipulated in this Operation manual.

The Silver Guarantee: The Golden Guarantee

An extended guarantee provided by the manufacturer for extra charge. The guarantee abides by the Guarantee Conditions stipulated in this Operation manual.

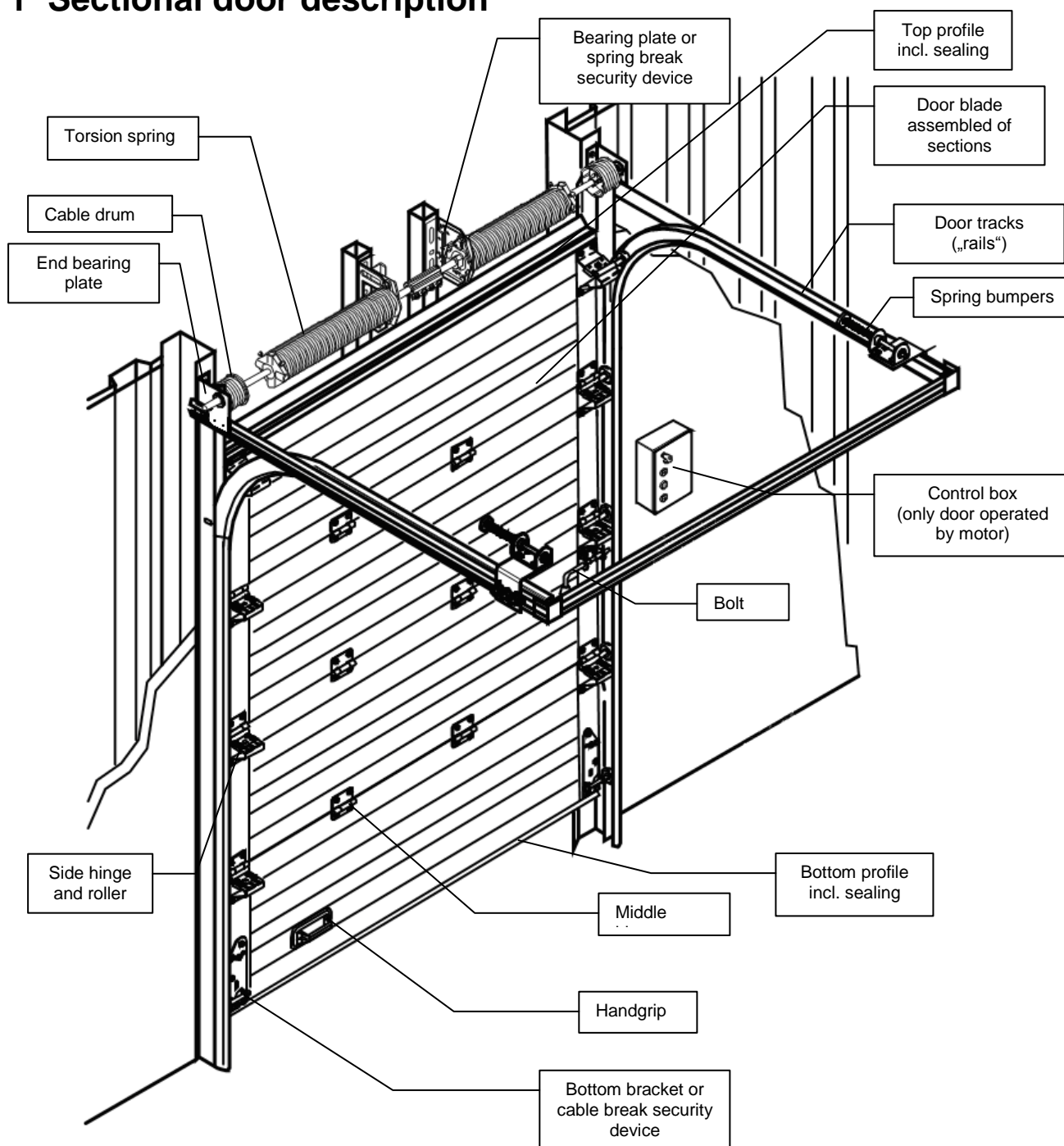
The Silver Guarantee commences on the first day, subsequent to due expiration of a standard guarantee, and ends after 60 months commencing from the date of purchase or after having reach 7,500 door cycles (depending on whichever occurs first).

The Golden Guarantee commences on the first day, subsequent to due expiration of a standard guarantee, and ends after 120 months commencing from the date of purchase or after having reached 15,000 door cycles (depending on whichever occurs first).

The extended guarantee does not apply to motors, electric or electronic parts of the doors and their accessories. The extended guarantee applies to springs only to such number of cycles, for which the springs were ordered. No transport, disassembly, assembly or similar costs shall be covered by the extended guarantee. Provision of The Silver Guarantee or of The Golden Guarantee must be stated in the Warranty Certificate.

Operation and maintenance manual

1 Sectional door description



N.B.: This door description is schematic representation only and its purpose is purely information function. Real appearance of your door depends on situation at building site and on ordered configuration of your door.

2 Terms

- Operator** "Operator" is the person who operates the door under normal circumstances. The "Operator" must be aware of all aspects relating to safety and that which is mentioned in this user guide. The "Operator" is not authorized to make any repairs to the door.
- Technician** "Technician" is the technical expert of door producer or the technician of the company authorized by the door producer or the customer's technician who has written permission from the door producer. The "Technician" is qualified to conduct repairs. The "Technician" is authorized to perform mechanical or electrical repairs and maintenance.
- Cycle** "Cycle" is the activity done by the door representing one set of opening and closing of a door blade.

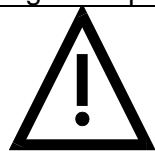
3 Door operation

There are three types of controls (opening and closing) of a door blade:

3.1 Manual Control

If a rope is installed on the door, it must be located so that the Operator can see the whole area encompassing movement of the door blade!

Release the (lockable) latch, grip the hand grip and lift the door blade. Open by constant and smooth movement upwards. Do not use excessive force as the door blade could hit the spring bumpers sharply and damage them. When opening the door, use the rope to slow the door blade movement downwards (especially when the door is reaching the position of fully open). The door can be closed by pulling at the rope or at the hand grip located on the door blade. Use the hand grip to put the door blade in the final position and then secure the door against opening by means of the (lockable) latch.



ATTENTION!

Never use other parts of the door (such as hinges, handles of the pass door etc.) for opening/closing. Always use only those elements designed for this purpose (hand grip, rope). Do not tread on handle and/or no other part of door, parts can be permanently damaged.

3.2 Manual Chain Control (Chain Hoist)

The chain of the chain hoist must be located so that the Operator can see the whole area of movement of door blade!

Release the (lockable) latch. Open the door blade by pulling at the chain of the chain hoist. Pull the chain slowly and smoothly, do not use excessive force. When the door is open, secure the door blade by fastening the chain on the hook supplied with the chain hoist. You can close the door by unfastening the chain from the hook and then pulling the chain in the opposite direction. When the door is shut, secure the door against unauthorized opening by means of the (lockable) latch.




ATTENTION!

Never open a chain-controlled door by direct lifting of the door blade – the cable could slip off the drum. Always pull the chain to open.

3.3 Motor Control


The control procedures differ according to the supplied accessories. The basic procedures for the most common equipment are listed below.

	<p>ATTENTION! In case of motorized door it is important to ensure that all electrical parts are covered during operation. These covers may be removed only by a technician.</p>
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3.3.1 Triple Button Control (Impulse-“Dead Man” mode)

The door is opened by a short push (impulse) at the “Open” button in the control panel. When the door blade reaches the upper position it stops automatically. To close the door, you have to push and hold the “Close” button (the “Totman”, i.e. Dead Man, mode). When the door is closed, the door blade movement stops automatically even if you keep pressing the button.


The movement of the door blade can be stopped at any time by pushing the STOP button. When closing the door, the movement can be stopped also by releasing the “Close” button. Before resuming door operation please wait until the door blade movement has stopped completely.

	<p>ATTENTION! The control buttons must always be located so that the Operator has full view of the door area. If there are any objects or persons in the door movement area, injury or damage could occur. The Operator must watch the door blade movement.</p>
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3.3.2 Triple Button Control (Impulse-Impulse mode)


The door is opened by a short push (impulse) at the “Open” button in the control panel. The door is closed by a short push (impulse) at the “Close” button. When the door reaches the top or bottom end position, movement stops automatically.


The movement of the door blade can be stopped anytime by the STOP button. Before resuming door operation please wait until the door blade movement stops completely.

	<p>ATTENTION! The control buttons must always be located so that the operator has full view of the door area. If there are any objects or persons in the door movement area, injury or damage could occur. The Operator must watch the door blade movement.</p>
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3.3.3 Remote Control

For doors, which meet the respective safety and technical parameters, you can also use the remote control. The door is operated by a push (impulse) at the respective button in the remote controller.

	<p>ATTENTION! Never use the remote control unless you can see the door area. The control buttons must always be located so that the Operator has full view of the door area. If there are any objects or persons in the door movement area, injury or damage could occur.</p>
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	<p>ATTENTION! In case of motor controlled doors (regardless of the control mode – Dead Man, impulse, remote control) always give at least a 3-second pause between individual commands.</p>
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3.3.4 Safety devices on the motor controlled door

The safety devices include:

- contact safety profile on the bottom edge of the door blade
- photo cell
- pass door contact (switch)
- weak cable security device
- switch for torsion break security device
- bolt (latch) contact, etc.

As soon as any of these safety devices is activated, the motor is automatically turned off and the door cannot be operated by the motor until the cause of the safety mechanism activation has been removed.

If the contact safety profile or photocells are activated during closing of the door, the direction of the door blade movement is reversed – the door starts opening.

3.3.5 Troubleshooting

If you push a button and the door does not respond or reacts inadequately, you should check:


- If there is an obstacle preventing free movement of the door – if so, remove it
- If the electric part of the door is connected to the power source and if the power source is functional
- If the photo cells are clean and can see well
- If one or more safety devices have been activated
 - If the bottom safety profile was activated, remove the obstacle that caused activation
 - If the entrance door contact was activated, close the door properly
 - If the cable break device, spring break device etc were activated, contact our service technician

If you fail to discover the cause of the malfunction, call the technician.

3.3.6 Emergency operation of a motor controlled door

In case of a power outage, the door blade can be operated, according to the type of the motor:

- Motor with emergency chain-control: the door blade is controlled by an endless chain integrated in the motor; pull the chain slowly, gently and smoothly

	<p>ATTENTION!</p> <p>The emergency chain control must not be used for regular operation of the door blade. If the door is installed in an area where the power supply interruption is frequent and for long periods (e.g. unfinished buildings), we recommend installing a door with chain hoist first and the motor should be installed only after the electric supply has been established. Or you can remove the key to detach the motor from the shaft – then you can control the door manually (only door of door blade span of up to 17 m²).</p>
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- Motor with an emergency crank: the door is moved by rotation of a crank located in the motor or by rotation of a tow-bar connected to this crank.
- Motor with unblocking of a clutch: you can unblock the clutch by pulling at a rope connected to the motor gears – the door can be opened or closed manually then; when you want to control it with the motor again, the clutch has to be blocked again (pull at the other rope)

4 Maintenance and cleaning

4.1 Maintenance

Correct and safe operation of the door requires not only regular servicing reviews done by a technician (see chapter 8) but also regular cleaning (par 4.2) and maintenance. Maintenance means above all the activities listed below in this paragraph. Only trained personnel are

authorized to do maintenance. Only technician is justified to train personnel. The frequency of maintenance should correspond to the frequency of usage of the door, but it should not be less than every two months.

Maintenance:

- Check the cable along their whole length, including their fastening to the bottom bracket and to the cable drum (if the cable is damaged, tattered, etc., contact the technician)
- Check the screws, bolts and nuts (fasten if necessary)
- Check the bottom, side and top sealing (clean it; if it is damaged, contact the technician)
- Grease the bearings and shafts of the rollers (if damaged, contact the technician)
- Grease the hinges (if damaged, contact the technician)
- Clean the sections
- Clean the door's vicinity

4.2 Cleaning

For the door to work properly – especially its safety devices – it must be maintained in clean condition, as well as its adjacent surroundings.

Panels of the door blade are washed with clean water or a solution of normal soap-based detergents. To ensure maintenance of the panel surface properties we recommend cleaning at least quarterly.

Dirty side sealing may damage the surface of the door blade panel-sections. Clean it with dry cloth.

Cleaning of windows and glazed (full-vision) aluminium sections must be done carefully. Clean water suffices. In case of stronger dirt, you can use hot water with soap (the solution must be pH neutral). Cleaning is done by a soft cloth, so the material does not get scratched.

Dry cleaning or cleaning with glass-cleaning aids can leave visible scratches on the transparent surfaces!

5 Dismantling

The door can be dismantled only by a trained person (technician). The producer and supplier cannot be responsible for incorrect dismantling done by an untrained person. Unprofessional dismantling can cause damage or injury!

With regard to the materials as used for the production of the system no specific circumstances or procedures need to be taken into consideration with regard to removal and processing. All parts are to be removed in accordance with the at that time valid environmental regulations.

6 What to do after cable break or spring break?

6.1 Cable break

When doors are put into operation, the cables are subject of wear and tear. As a consequence of wear and tear, wires of the cable can be damaged and cable can break. Breaking of cable can be preventing by regular check and early replacement of cable by new one. After cable breaking, the door will be hanging on the second cable. Cable is always designed to be strong enough to hold the weight of the door leaf. **After cable breakdown the door is not allowed to be operated any more and has to be ensured against any further movement up to the arrival of a service technician!** Qualified overhead door mechanics must inspect the door and replace all possibly damaged components, such as: bottom brackets, cables, roller carriers, rollers, etc. Only qualified door mechanics is allowed to make the change. The door must be properly checked before the commissioning.

6.2 Spring break

Torsion springs are designed on predetermined number of cycles. When this number of cycles is overreached, fatigue of material can caused spring break. Sectional door is stopped by spring break security device when the spring breaks (only door equipped with this device). **After the spring failure**, qualified door mechanics has to be called to inspect and repair the door. **The door may not be operated any more and has to be ensured against any further movement up to the arrival of a service technician!** The spring breaking security device is a so called “one-shot” device. After it has acted, it must be replaced, together will all other possibly damaged components of the door, such as torsion springs, spring fittings, bearing plates etc. Only qualified door mechanics is allowed to make the change. The door must be properly checked before the commissioning.

Servicing of your door is carried by:

(must be filled in by person who installed the door or who carry service)

Company name:

Address:

Contact person:

Phone No.:

Fax No.:

Email:

7 Safety warnings



Only a qualified person with enough experience can install, dismantle, repair and conduct maintenance.



If a door blade is in operation, always maintain a safe distance from the whole door construction. In spite of the safety mechanisms injury or damage can occur in case of unprofessional handling.



The direction of door movement must not be obstructed – a smooth and collision free movement must be ensured.



Only trained adults can handle the doors. Children are not allowed to operate the door.



Do not put your fingers between the panels, in the rails or near other moving parts of the door. Control the door only with the elements designed for it (hand grip, chain of the chain hoist, buttons of the motor's control panel, etc).



The torsion springs are subject to great forces. They must not be adjusted, repaired or dismantled by an unqualified person.



Never dismantle the bottom bracket or the cable break device from the door. The bottom bracket or the cable break device are connected via the cable, cable drum and shaft by means of a torsion spring, so they are also subject to large forces.

Service data

8 Service reviews

Service reviews are activities duly paid for by the door Operator (unless agreed otherwise) and prescribed by the door producer. These must be done at regular intervals in order to ensure full functionality and door safety. The service review can include also activities that exceed the scope of a normal service review, if the door Operator and the inspecting technician agree so. A due, legible and clear record must be logged in the service certificate (see below) on each service review. This record can be written only by the technician or another authorized person from the service company who made the inspection. When a warranty repair is requested it will be ascertained whether regular service reviews were conducted and correctly recorded in the service certificates.

Note: The service reviews conducted after the below stated service reviews (i.e. after all the service certificates provided here are full), will be done in the same scope and periodicity as the previous ones (i.e. at least each 6 months or after each 5000 door cycles).

The door Operator is obliged to arrange service review!

8.1 After 3 months or 1 000 cycles ²⁾

- Complete visually inspection
- Check of horizontal position of bottom section
- Check and correct the tension of the springs – balance of the door leaf
- Grease the bearings of rollers
- Grease the shafts of rollers in hinge slide
- Grease the pins of hinges
- Grease locks or cylinder locks

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

²⁾ Depending what comes first

8.2 Operation manual – inspection after 6 month or 5 000 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.3 *Operation manual – inspection after 12 month or 10 000 cycles* 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.4 Operation manual – inspection after 18 month or 15 000 cycles
2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.5 Operation manual – inspection after 24 month or 20 000 cycles
2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.6 Operation manual – inspection after 30 month or 25 000 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.7 Operation manual – inspection after 36 month or 30 000 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.8 Operation manual – inspection after 42 month or 35 000 cycles
2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.9 Operation manual – inspection after 48 month or 40 000 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.10 Operation manual – inspection after 54 month or 45 000 cycles
2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.11 Operation manual – inspection after 60 month or 50 000 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.12 Operation manual – inspection after 66 month or 55 000 cycles
2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check spring bumpers (fixing, position against door blade)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction, sleeve fixation etc.)
- Check the fixation and function of chain hoist ¹⁾
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check cable tension set ¹⁾
- Check tightening of all bolted connection
- Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
- Check the connection of the motor to the shaft, position of the key in motor
- Check function of emergency control (chain, declutching/turning of handle – according to the type of motor)
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

Operating log

Manufacturer:

Installing organization:

Identification number of the door:

Door positioning:

Date of installation:

Date of checking of security elements function and operational test:

Identification number of the operator:

Identification of all the safety devices:

Date and signature of authorized person:

Operation manual

Date	Description and scope of repair or warranty repair *	Signature of the technician

* When signing, always state if the repair was under warranty or not

Operation manual

Date	Description and scope of repair or warranty repair *	Signature of the technician

* When signing, always state if the repair was under warranty or not



Warranty Certificate

Seller provides warranty from for 24 months for the sectional door (specification and parameters of the door are mentioned bellow in this Warranty Certificate). The manufacturer may, upon compliance of conditions pre-set by him, provide extra guarantees, apart from this standard guarantee. Provision of such guarantees must always be stated in the Warranty Certificate.

Instruction

This Warranty Certificate is valid for newly installed sectional industrial door. The terms of warranty are described in this warranty certificate and in the General Terms and Conditions of the door producer.

Keep the warranty in a safe place. It must be presented in case of a complaint. If no warranty certificate is presented, repair(s) cannot be regarded as warranty repair. False statement, unauthorized changes, repairs, modification, etc. render the warranty certificate invalid.

A list of warranty repairs is an inseparable part of the warranty certificate.

Identification of Seller

UST:	Phone No:
Name (company / name & surname):	
Registered office / Domicile	
Door serial No:	Door type:
Width [mm]:	Height [mm]:
Lift type:	Panel type:

Place of installation:.....